EMANUELA BARBERIS
Curriculum Vitae

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Education:

1996 Ph.D. in Physics, University of California at Santa Cruz, USA.
1991 Laurea in Physics, magna cum laude, University of Turin, Italy.
1987 Diploma in Piano, Conservatory of Music, Cuneo, Italy.

Professional appointments:

9/02-present	Northeastern University	Assistant Professor
1/00-9/02	Lawrence Berkeley National Laboratory	Physicist
8/96-1/00	Lawrence Berkeley National Laboratory	Research Associate
9/91-8/96	University of California at Santa Cruz	Research Assistant

Awards:

04-present	NSF CAREER award.
94/95	University of Turin fellowship for researchers abroad.
91/92	Fellowship ``Fondazione Angelo della Riccia'' (Florence, Italy).

Selected Publications:

1. DØ Collaboration, V.M. Abazov et al. "A precision Measurement of the Mass of the Top Quark", Nature 429, 638 (2004).
2. DØ Collaboration, B. Abbott "Direct Measurement of Top Quark Mass by the DØ Collaboration", Phys. Rev. D 58, 052001 (1998).
3. DØ Collaboration, S. Abachi et al. "Direct measurement of the Top Quark Mass", Phys. Rev. Letters 79, 1197 (1997).
4. DØ Collaboration, V.M. Abazov et al. "$t\bar{t}$ production cross section in $p\bar{p}$ collisions at $\sqrt{s}$ =1.8 TeV", Phys. Rev. D 67, 012004 (2003).
5. DØ Collaboration, B. Abbott et al. "Determination of the Absolute Jet Energy Scale in the DØ Calorimeters", Nuclear Instruments and Methods A424, 352 (1999).
6. DØ Collaboration, V.M. Abazov et al. "Search for Narrow $t\bar{t}$ Resonances in $p\bar{p}$ Collisions at $\sqrt{s}$ =1.8 TeV", Phys. Rev. Lett. 92, 221801 (2004).
7. DØ Collaboration, V.M. Abazov et al. "Search For Single Top Production at DØ Using Neural Networks", Phys. Lett. B 517, 282 (2001).
8. DØ Collaboration, B. Abbott et al. "Measurement of the top quark pair production cross section using all jets decay channel", Phys. Rev. Lett. 83, 1908 (1999).

9. ZEUS Collaboration, J. Breitweg et al., “Measurement of the diffractive structure function F2(D(4)) at HERA”, Eur. Phys. J. C1, 81 (1998).
10. E. Barberis et al., “Design, testing and performance of the front-end electronics for the LPS silicon microstrip detector”, Nuclear Instruments and Methods A364, 507 (1995).